

**From:** [Clay Patmont](#)  
**To:** [Miller, Gary](#); [Baumgarten, Gary](#); [Gustavson, Karl](#); [Schroeder, Paul R ERDC-RDE-EL-MS CIV](#); [Satya Dwivedula](#); [Katie Delbecq](#); [Armour, Judy](#); [Phil Slowiak](#); [Xiaoxia Lu](#); [Dodson, Felicity A CIV CPMS \(US\)](#); [Meyer, Alton H III CIV USARMY CESWG \(US\)](#)  
**Cc:** [David Keith](#); [John Laplante](#); [Amanda Shellenberger](#); [Emily Guyer](#); [Jennifer Sampson](#); [Rickelman, Magdalena](#); [Al Axe](#)  
**Subject:** RE: San Jacinto River Waste Pits Site Remedial Design Technical Workgroups  
**Date:** Tuesday, May 8, 2018 12:17:01 PM  
**Attachments:** [TWG #1 - Meeting 1 Draft Agenda 050818.docx](#)  
[TWG #2 - Meeting 1 Draft Agenda 050818.docx](#)

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In preparation for next week's San Jacinto Technical Workgroup (TWG) meetings in Austin, attached are two draft agendas:

- Verification of Achievement of Engineering Performance Standards TWG Meeting – Monday, May 14<sup>th</sup> 1 pm to 5 pm
- Engineering Controls TWG Meeting – Tuesday, May 15<sup>th</sup> 8 am to noon

Please forward these agendas to others in your organizations who will be participating.

Both meetings will be hosted by Winstead (thanks Al):

Winstead PC  
401 Congress Ave, Suite 2100  
Austin, TX 78701

Go to the 21<sup>st</sup> floor and tell the receptionist you're with the San Jacinto TWG and they will direct you. Al's secretary (Magdalena Rickelman) can provide parking passes – please let Magdalena (cc'd on this email) know if you'd like a parking pass. Otherwise the parking deck is \$24/day.

Looking forward to productive meetings next week. Let me know if you have any questions. Thanks

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**Clay Patmont**

**ANCHOR QEA, LLC**

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**From:** Clay Patmont

**Sent:** Tuesday, April 24, 2018 8:34 AM

**To:** Gary Miller ([miller.garyg@epa.gov](mailto:miller.garyg@epa.gov)) <[miller.garyg@epa.gov](mailto:miller.garyg@epa.gov)>; 'Gary Baumgarten (Baumgarten.Gary@epamail.epa.gov)' <[Baumgarten.Gary@epamail.epa.gov](mailto:Baumgarten.Gary@epamail.epa.gov)>; Karl Gustavson <[Gustavson.Karl@epamail.epa.gov](mailto:Gustavson.Karl@epamail.epa.gov)>; Carlos Sanchez ([Sanchez.carlos@epa.gov](mailto:Sanchez.carlos@epa.gov)) <[Sanchez.carlos@epa.gov](mailto:Sanchez.carlos@epa.gov)>; 'Schroeder, Paul R ERDC-RDE-EL-MS CIV' <[Paul.R.Schroeder@erdc.dren.mil](mailto:Paul.R.Schroeder@erdc.dren.mil)>; 'Satya Dwivedula' <[Satya.Dwivedula@tceq.texas.gov](mailto:Satya.Dwivedula@tceq.texas.gov)>; Katie Delbecq <[Katie.Delbecq@tceq.texas.gov](mailto:Katie.Delbecq@tceq.texas.gov)>; Armour, Judy <[jarmour@wm.com](mailto:jarmour@wm.com)>; Phi Slowiak ([philip.slowiak@ipaper.com](mailto:philip.slowiak@ipaper.com)) <[philip.slowiak@ipaper.com](mailto:philip.slowiak@ipaper.com)>; Jennifer Sampson <[jsampson@integral-corp.com](mailto:jsampson@integral-corp.com)>; Emily Guyer <[eguyer@integral-corp.com](mailto:eguyer@integral-corp.com)>

**Cc:** David Keith <[dkeith@anchorqea.com](mailto:dkeith@anchorqea.com)>; John Laplante <[jlaplante@anchorqea.com](mailto:jlaplante@anchorqea.com)>; Amanda

Shellenberger <ashellenberger@anchoragea.com>

**Subject:** San Jacinto River Waste Pits Site Remedial Design Technical Workgroups

Attached for discussion on next week's call is a memorandum outlining the roles and initial compositions of the Technical Workgroups in the process set forth in the AOC to complete a remedial design for the San Jacinto Waste Pits Superfund Site. Let me know if you have any questions. Talk to you soon –

**Clay Patmont**

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## Draft Agenda

SJRWP Verification of Achievement of Engineering Performance Standards TWG Meeting #1

May 14, 2018, 1 pm to 5 pm: Suite 2100, 401 Congress Avenue, Austin, Texas 78701

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1. Introductions
2. Review of TWG Charges and Agenda
3. Compliance with Water Quality Requirements
  - a. ROD expectations re: “no release” & “no material release” during remedial action (EPA)
  - b. ARAR applications and required EPA determinations
  - c. Clean Water Act (administered through Chapter 307 of Texas Administrative Code)
    - i. Water quality standards
    - ii. Existing TMDLs
    - iii. Antidegradation requirements
    - iv. NPDES permit requirements
    - v. Mixing zones
  - d. Unauthorized discharges (Texas Water Code Section 26.121[a])
  - e. Imminent threat of discharge (Title 30 the Texas Administrative Code Section 335.4)
  - f. Remedial design requirements
    - i. Point sources (e.g., dewatering discharges)
    - ii. Diffuse/fugitive sources (e.g., propeller wash)
    - iii. Other potential releases (e.g., cofferdam leakage; storm events)
  - g. Monitoring requirements
    - i. Baseline data – potential RD Work Plan augmentation
    - ii. Construction Quality Assurance/Quality Control Plan options
  - h. Administrative options
4. Points of Compliance
  - a. Risk-based cleanup levels
  - b. Spatial (areal and vertical) averaging
  - c. Northern impoundments
  - d. Southern impoundment
  - e. First Phase PDI Work Plan approach
  - f. Follow-on RD Work Plan/Second Phase PDI Work Plan activities (as needed)
5. Open Discussion
  - a. Required EPA determinations
  - b. Remedial design requirements and schedule
6. Action Items and Schedules
7. TWG Members Going Forward
8. Schedule and Topics for Next Meeting(s)

## Draft Agenda

### SJRWP Engineering Controls TWG Meeting #1

May 15, 2018, 8 am to noon: Suite 2100, 401 Congress Avenue, Austin, Texas 78701

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1. Introductions
2. Review of TWG Charges and Agenda
3. Engineering Design Approach
  - a. Threshold remedial design requirements
    - i. ROD cleanup standards and remedy
    - ii. ARARs (e.g., water quality, noise, dust, decon, etc.)
  - b. Balancing remedial design requirements
    - i. Design optimization
    - ii. Interdependent design parameters
4. Key Design Optimization Elements
  - a. Southern vs. Northern Impoundments
    - i. Different design approaches
  - b. Northern impoundments cofferdam design approaches
    - i. Embedment depth
    - ii. Wall height balancing
    - iii. Contingency plan options
  - c. Dewatering approaches
    - i. Hydrogeologic conceptual site model – southern vs. northern impoundments
    - ii. Dewatering sequencing options and associated discharge requirements
    - iii. First Phase PDI Work Plan approach
  - d. Transload, transportation, and disposal options
    - i. Access and laydown area constraints
    - ii. Land versus water access in northern impoundments
    - iii. Preference for on-site management (permitting considerations)
    - iv. Future design analyses
  - e. Other optimization elements in northern impoundments
    - i. Rock reuse
    - ii. Structural protection
  - f. Work and certification unit approaches
    - i. Construction options
    - ii. Certification options (Construction Quality Assurance/Quality Control Plan)
    - iii. Contingency plan options
  - g. RD Work Plan/Second Phase PDI Work Plan
    - i. Treatability study?
5. Open Discussion
6. Action Items and Schedules
7. TWG Members Going Forward
8. Schedule and Topics for Next Meeting(s)